

Fig. 1

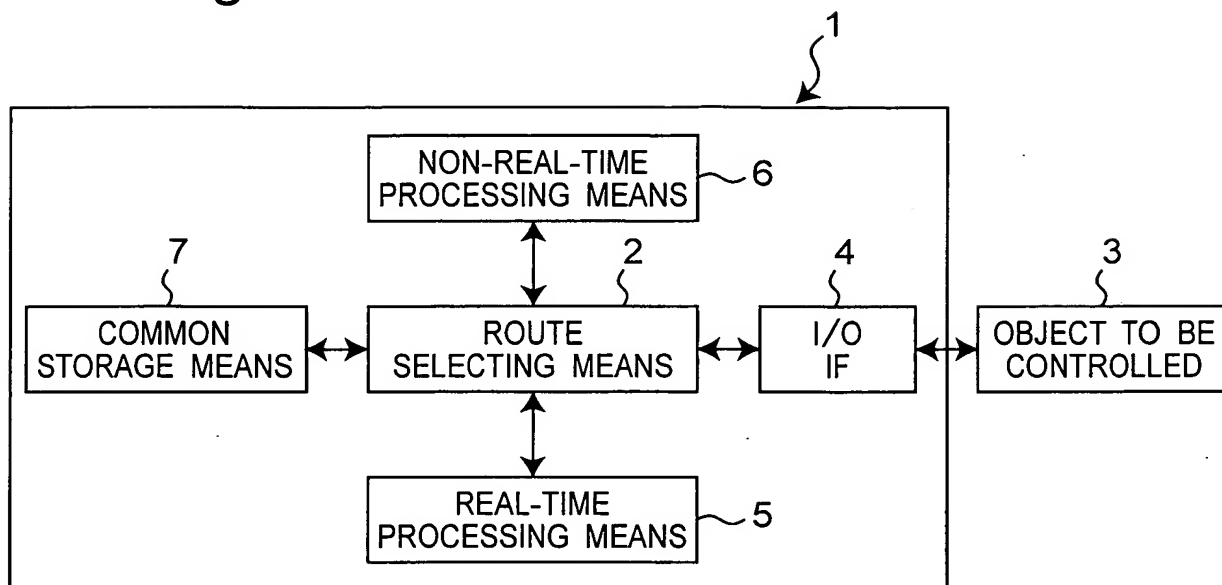


Fig. 2

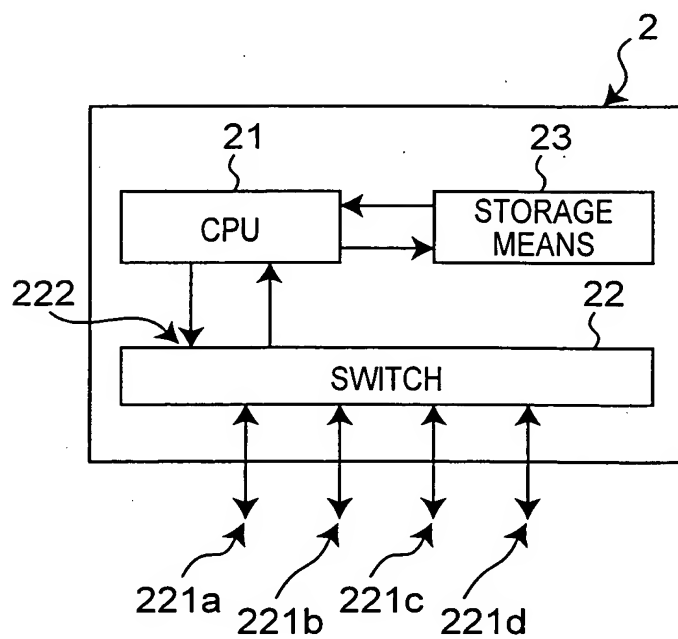


Fig. 3

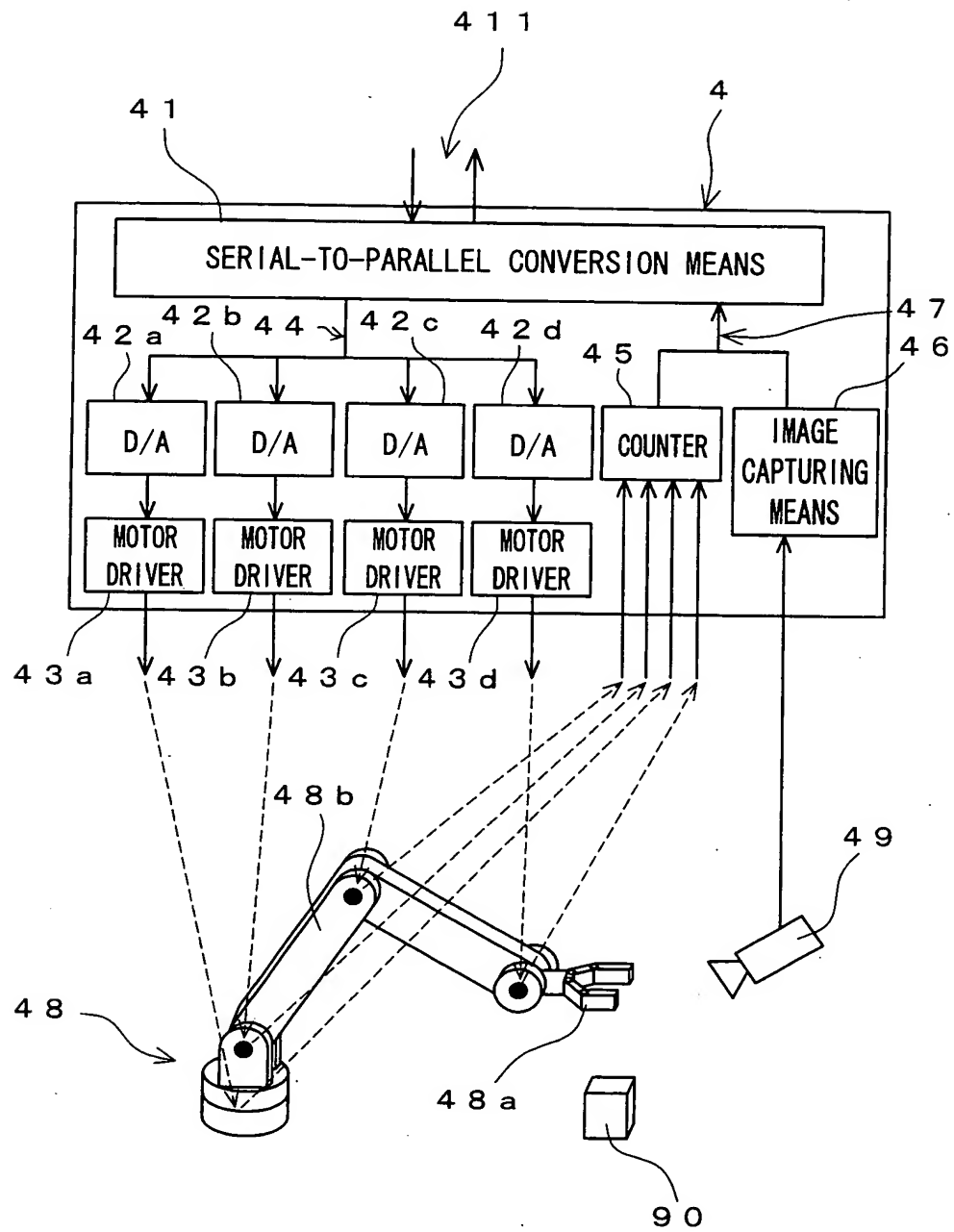


Fig. 4

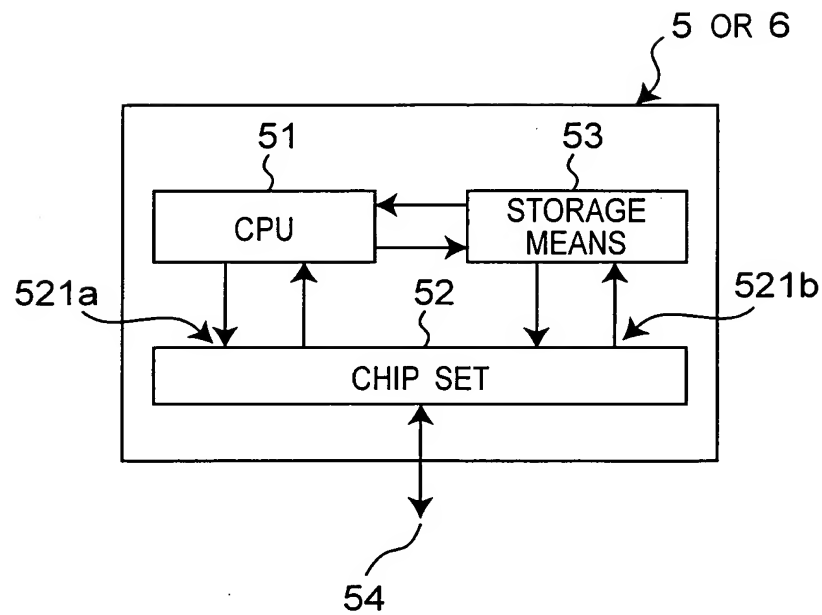


Fig.5

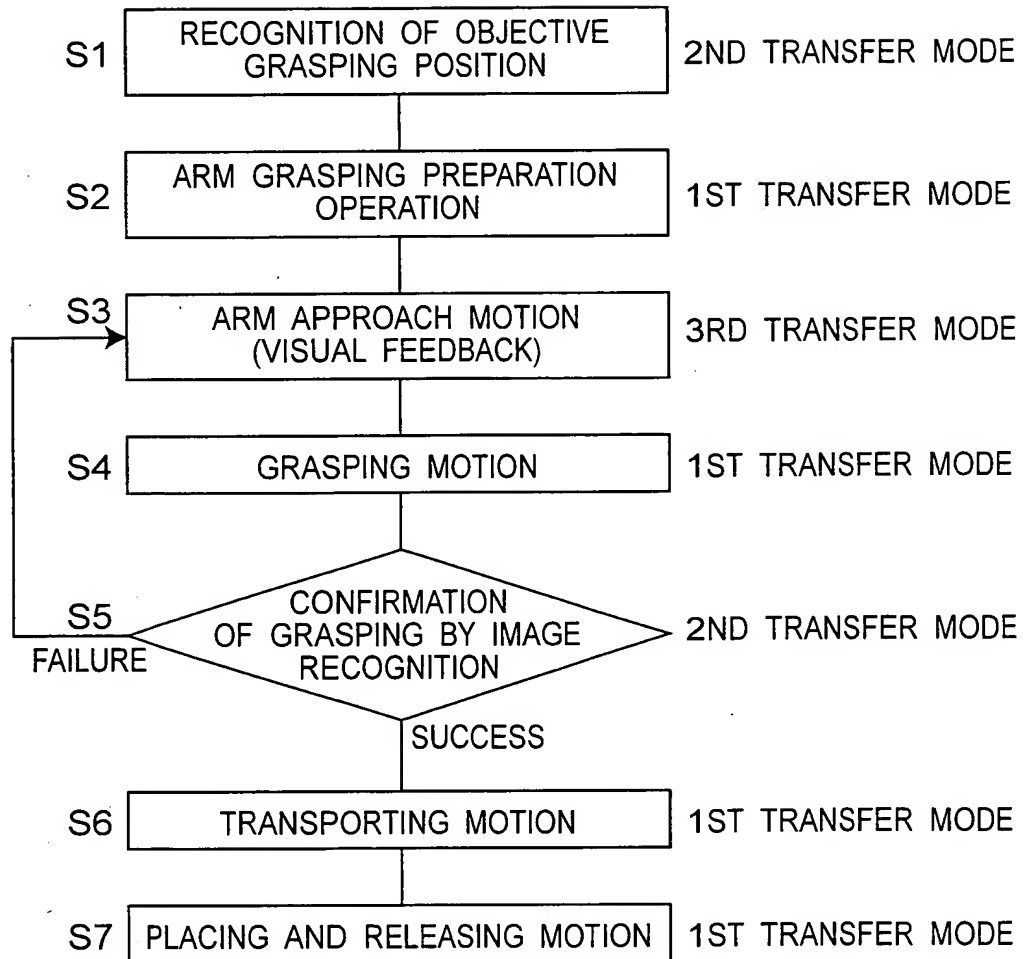


Fig. 6

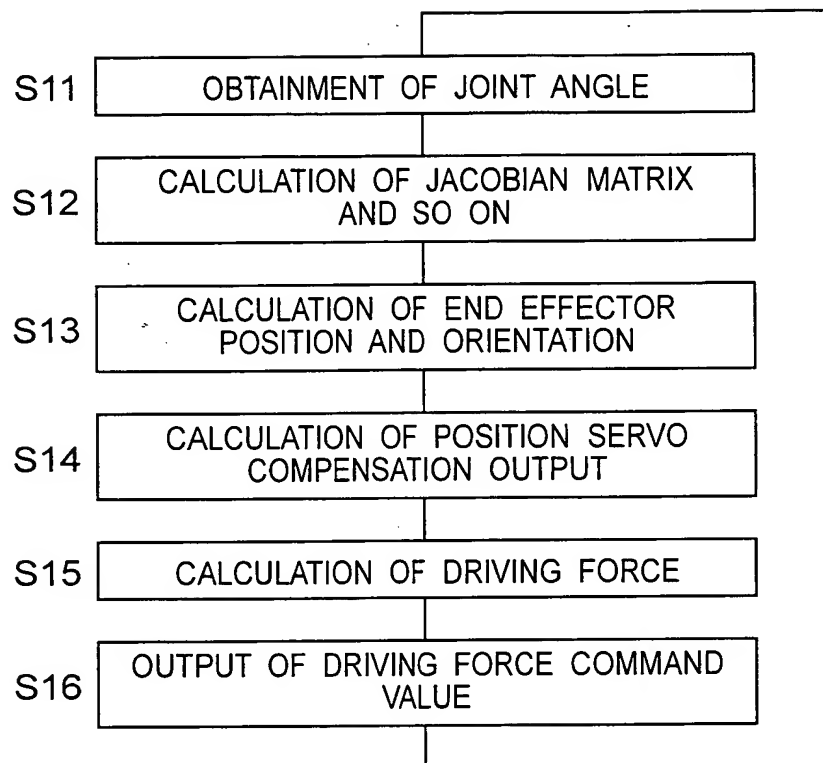


Fig. 7

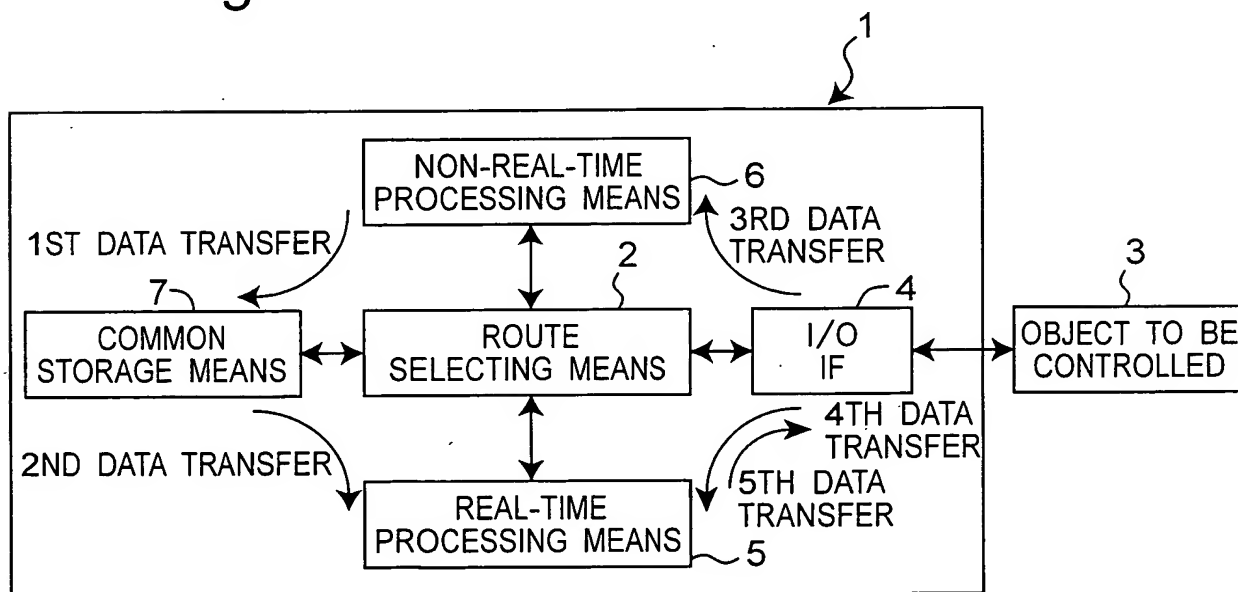


Fig. 8A

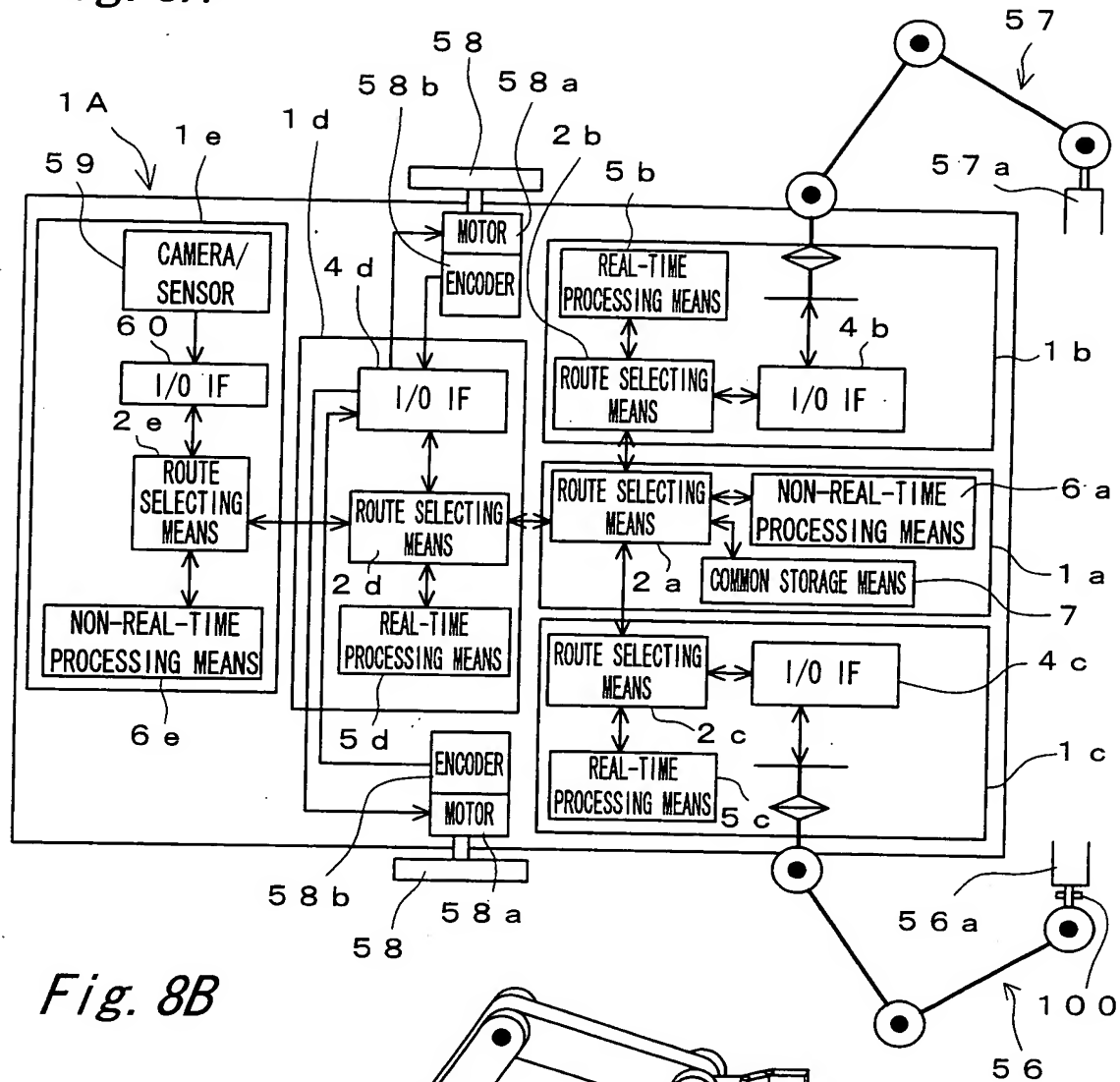


Fig. 8B

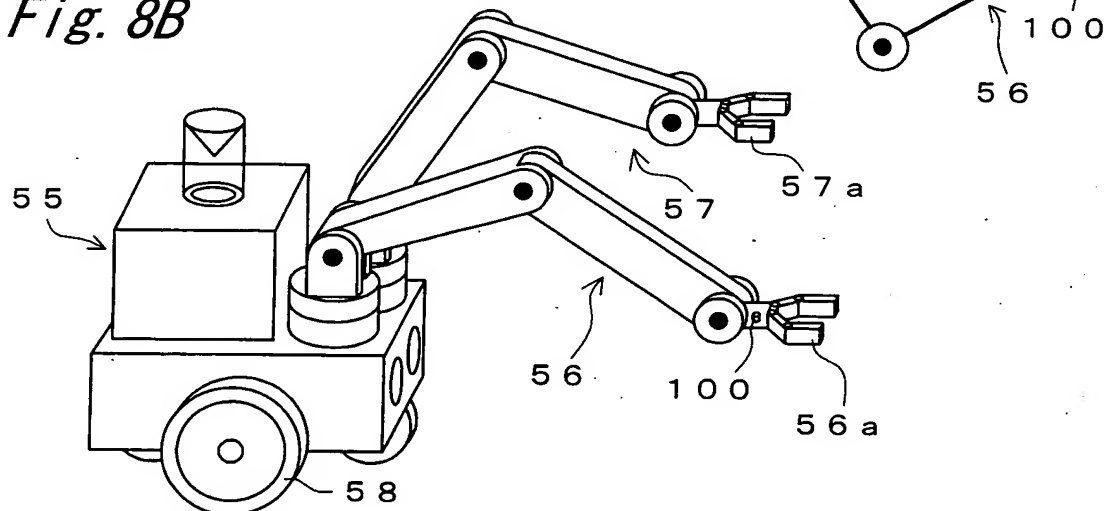


Fig. 9A

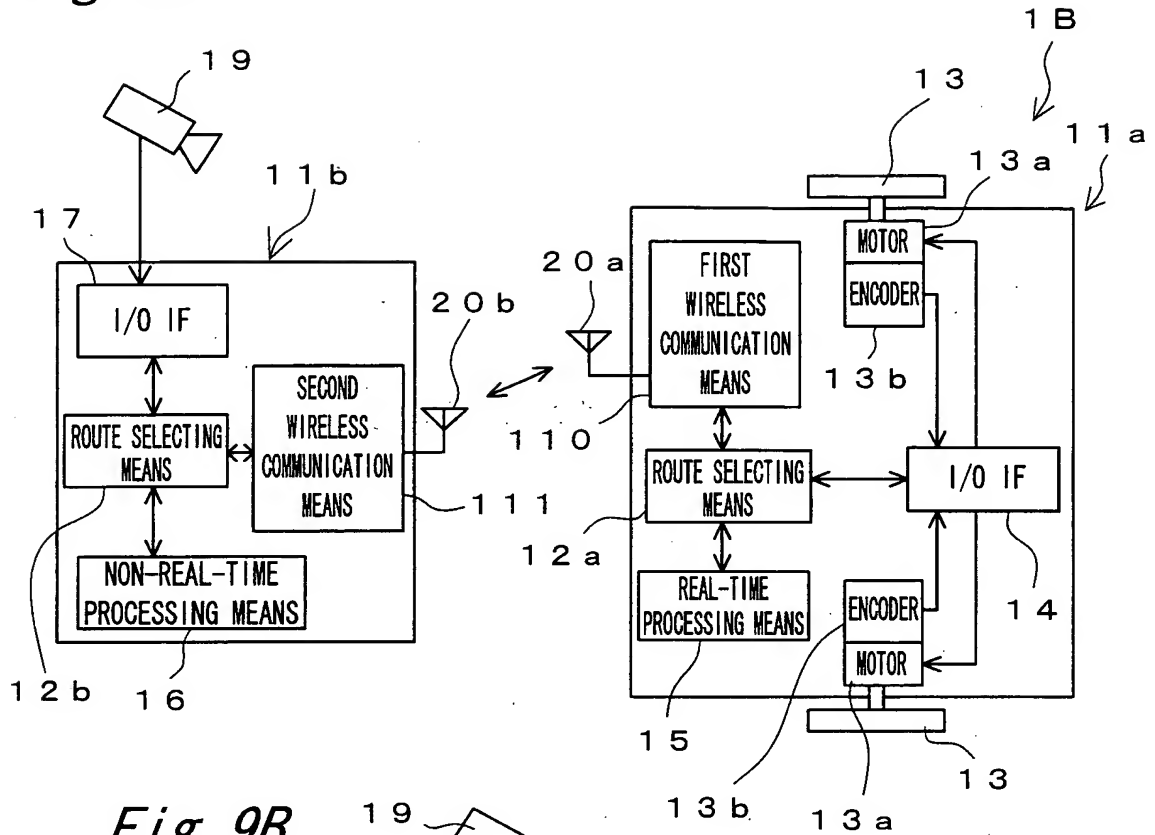


Fig. 9B

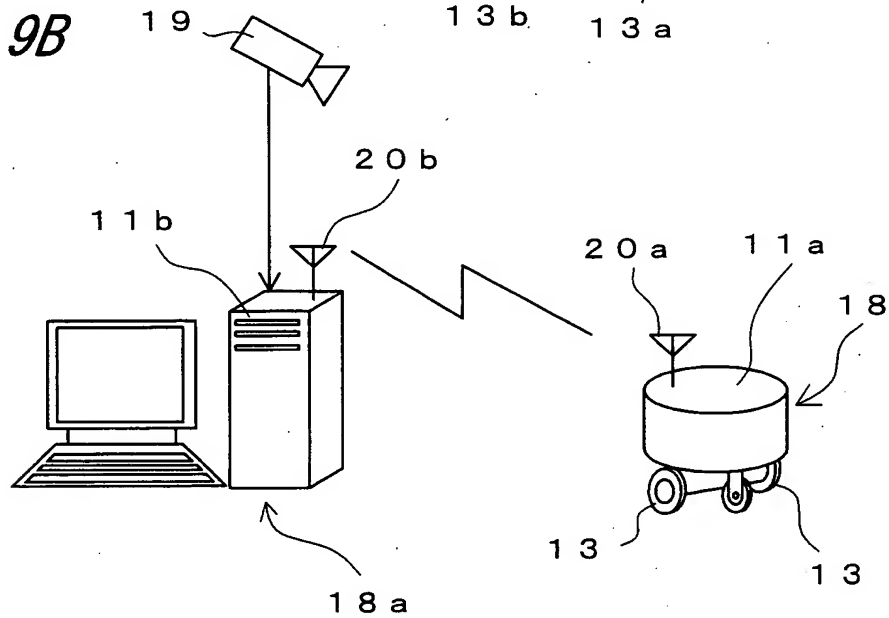


Fig. 10

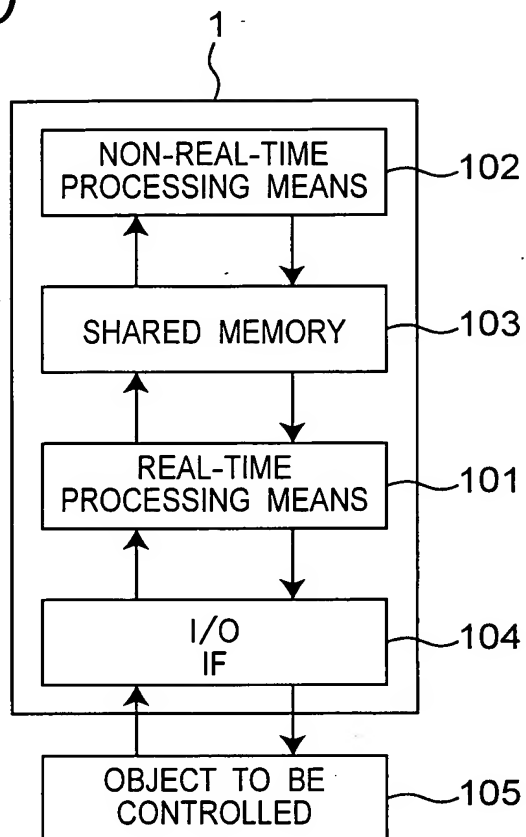


Fig. 11

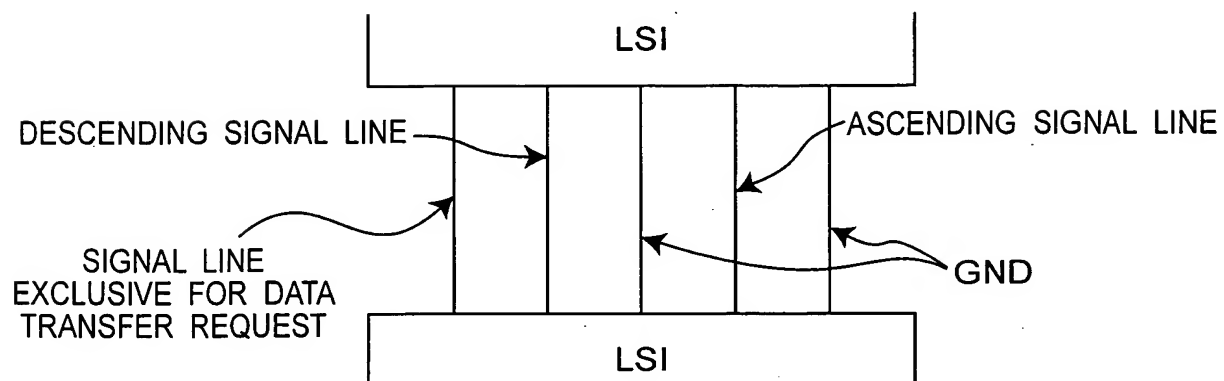
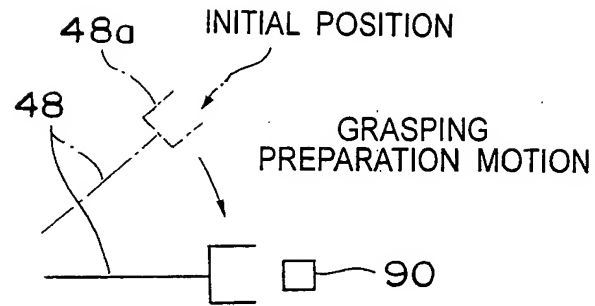
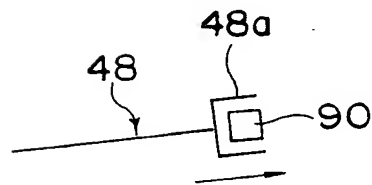


Fig. 12A*Fig. 12B*

APPROACH MOTION

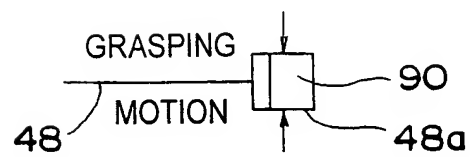
Fig. 12C

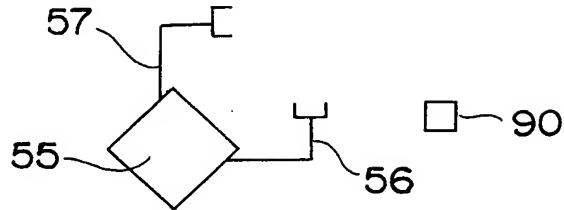
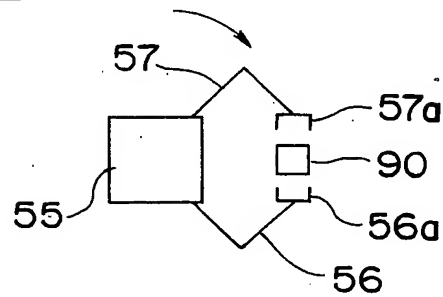
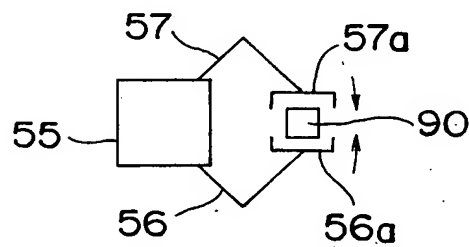
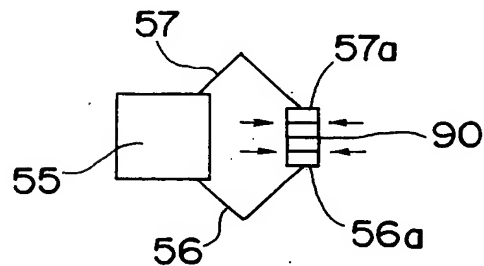
Fig. 13A*Fig. 13B**Fig. 13C**Fig. 13D*

Fig. 14

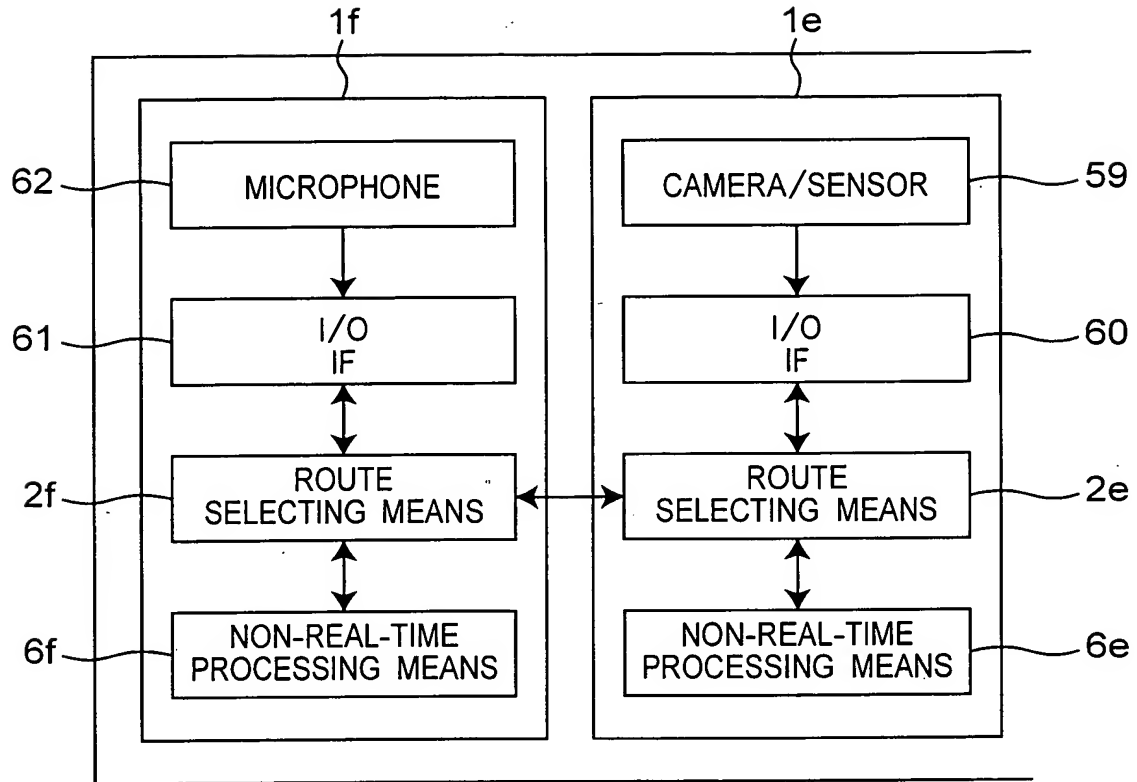


Fig. 15

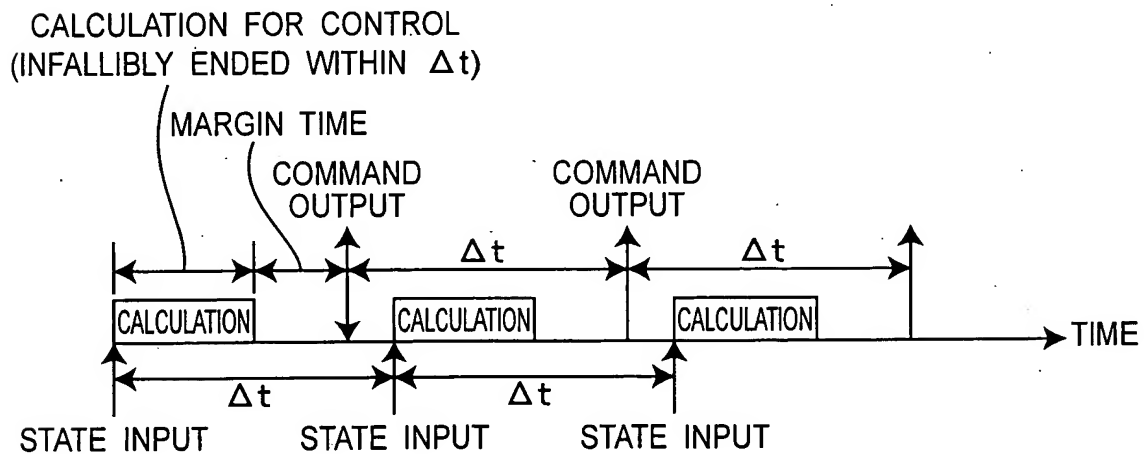


Fig. 16

	TRANSFER ORIGINATOR	TRANSFER DESTINATION	DATA TYPE	PREFERENTIAL DATA		
				1ST MODE	2ND MODE	3RD MODE
1ST DATA TRANSFER	NON-REAL-TIME PROCESSING MEANS→COMMON STORAGE MEANS	DESIRED TRAJECTORY DATA				
2ND DATA TRANSFER	COMMON STORAGE MEANS→REAL-TIME PROCESSING MEANS	DESIRED TRAJECTORY DATA		○		
3RD DATA TRANSFER	I/O IF→NON-REAL-TIME PROCESSING MEANS	IMAGE DATA			○	
4TH DATA TRANSFER	I/O IF→REAL-TIME PROCESSING MEANS	JOINT ANGLE DATA		○		
5TH DATA TRANSFER	REAL-TIME PROCESSING MEANS→I/O IF	DRIVING FORCE VALUE COMMAND DATA		○		

Fig. 17

TRANSFER PATH	TRANSFER DESTINATION	TRANSFER ORIGINATOR	OCCUPATION RATIO (%)				
			1ST DATA TRANSFER	2ND DATA TRANSFER	3RD DATA TRANSFER	4TH DATA TRANSFER	5TH DATA TRANSFER
NON-REAL-TIME PROCESSING MEANS→ROUTE SELECTING MEANS	A	NON-REAL-TIME PROCESSING MEANS→COMMON STORAGE MEANS	/	/	100 -A	/	/
REAL-TIME PROCESSING MEANS→ROUTE SELECTING MEANS	/	COMMON STORAGE MEANS→REAL-TIME PROCESSING MEANS	/	100 -B-C	/	B	C
I/O IF→ROUTE SELECTING MEANS	/	I/O IF→NON-REAL-TIME PROCESSING MEANS	/	/	100 -D-E	D	E
COMMON STORAGE MEANS→ROUTE SELECTING MEANS	F	I/O IF→REAL-TIME PROCESSING MEANS	/	/	/	/	/
		REAL-TIME PROCESSING MEANS→I/O IF	/	/	/	/	/